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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

Thereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on February 13, 2002 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10 Mailing Label Number EL580401440US, addressed to the Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: UDL1P044C1

First Named Inventor: RONALDSON

Sandra Halliwell

**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**  
(Continuation, Divisional or Continuation-in-part application)

Box Patent Application  
Commissioner for Patents  
Washington, DC 20231

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:  
**John Paul RONALDSON and Robert Jonathan SHARPE**

For: **MONITORING A SAMPLE CONTAINING A NEUTRON SOURCE**

Assigned to: BRITISH NUCLEAR FUELS PLC

This application is a ☒ Continuation ☐ Divisional ☐ Continuation-in-part

Of prior Application No.: 09/554,142, filed December 11, 1998, from which priority under 35 U.S.C. § 120 is claimed.

**Application Elements:**

☒ **39** Pages of Specification, Claims and Abstract

☒ **05** Sheets of formal Drawings

☒ Declaration

☐ Newly executed

☒ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional).  
The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☐ Do not publish this application. Nonpublication Request is attached.
- ☐ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
- ☐ Power of Attorney
- ☐ 37 CFR 3.73(b) Statement by Assignee
- ☒ Information Disclosure Statement with Form PTO-1449 ☐ Copies of IDS Citations
- ☒ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)
- ☒ Return Receipt Postcard
- ☐ Other:

Claim For Foreign Priority

- ☒ Priority of Great Britain Application No. 9726270.3 filed on December 12, 1997, and Great Britain Application No. 9810433.4 filed on May 15, 1998, is claimed under 35 U.S.C. § 119.
- ☒ The certified copy has been filed in prior application U.S. Application No. 09/554,142
- ☐ The certified copy will follow.

Extension of Time for Prior Pending Application

- ☒ A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

Amendments

- ☒ Amend the specification by inserting before the first line the sentence: "This is a
- ☒ Continuation ☐ Continuation-in-part ☐ Divisional application of co-pending prior
- ☒ U.S. Application No. 09/554,142, which is the U.S. National phase of
- ☒ International Application PCT/BG98/03656, filed on December 11, 1998, which designated the United States, the disclosure of which is incorporated herein by reference."
- ☐ Cancel in this application original claims of the prior application before calculating the filing fee. (*At least one original independent claim must be retained.*)

Fee Calculation (37 CFR § 1.16)

☐ Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	12	MINUS	20	=	x 18 =	0.00
INDEP.	01	MINUS	3	=	x 84 =	0.00
[ ] First presentation of multiple dependent claim					\$280 =	
Basic Filing Fee under 37 C.F.R. §1.16(a)					\$740 =	740.00
TOTAL						740.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

☒ Check No. 14030 in the amount of \$740.00 is enclosed.

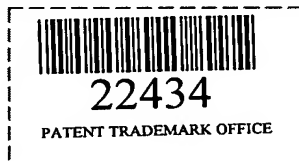
☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. UDL1P044C1).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. UDL1P044C1).

☒ Please send correspondence to the following address:

Customer Number 022434



Date:

FEBRUARY 13, 2002

Steve D Beyer  
Registration No. 31,234